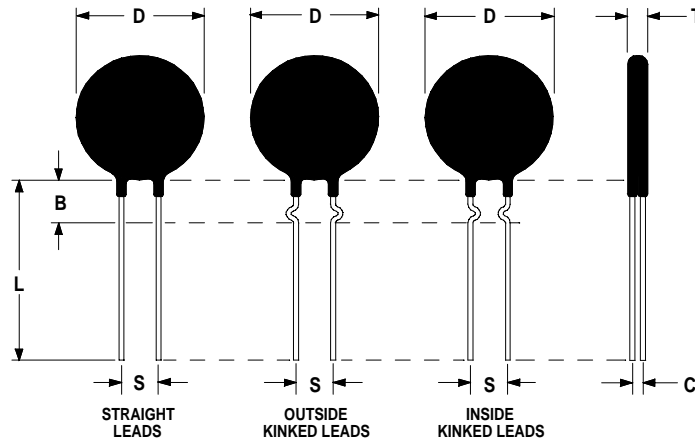


Part Number: NT03 50052



### Electrical Specifications:

Zero-Power Resistance @ 25°C	50.0 Ω ± 10%
Resistance @ 0°C/ Resistance @ 50°C	5.60 ± 1%
Resistance @ 25°C/ Resistance @ 125°C	14.1 ± 2%
Beta	3169 ± 2%
Temp Coefficient of Resistance @ 25°C	-3.42%/°C
Operating Temperature Range	-50°C ± 150°C
Maximum Permissible Power	0.45 W
Dissipation Constant	4.0mW/°C
Thermal Time Constant	10 seconds
Material Type	"C"
Max Steady State Current up to 65°C	0.250 A
Resistance @ Max Steady State Current	12.00 Ω
Max Instantaneous Energy	3.0 J

### Mechanical Specifications:

D	3.20 mm Max
T	3.20 mm Max
Lead Diameter	0.5 mm Nom
S	3.55 mm Nom
L	38.0 mm Min
Straight Leads	Standard

Revision Date: March 19, 2003

**Ametherm, Inc.** 3111 N. Deer Run Road #4 Carson City, NV 89701  
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## DATA SHEET

Part Number: NT03 50052

### Resistance Temperature Curve:

Temperature	R@T/R@25°C
-40	15.45
-30	9.358
-20	5.875
-10	3.798
0	2.517
10	1.711
20	1.191
25	1.000
30	0.840
40	0.608
50	0.449
60	0.3379
70	0.2568
80	0.1985
90	0.1552
100	0.1230
110	0.0977
120	0.0785
125	0.0709
130	0.0640
140	0.0529
150	0.0442

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